

Contents

Part I Overview

- 1 Introduction** 3
Philip G. Janicak, Stephen R. Marder, Rajiv Tandon,
and Morris Goldman
- 2 The Evolving Nosology of Schizophrenia:
Relevance for Treatment** 13
Rajiv Tandon and Dawn Bruijnzeel

Part II Recent Research into the Pathophysiology of Schizophrenia

- 3 Overview of Neurobiology** 27
Rajiv Tandon and Morris Goldman
- 4 Pathophysiology of Schizophrenia** 35
Jaya Padmanabhan and Matcheri S. Keshavan
- 5 Genetics of Schizophrenia** 59
Alan R. Sanders
- 6 Recent Advances in Neuroimaging Biomarkers
of Schizophrenia** 71
Lei Wang and John G. Csernansky

Part III Medical Management of Schizophrenia

- 7 Acute Management of Schizophrenia** 107
Philip G. Janicak
- 8 Therapeutic Neuromodulation for Treatment
of Schizophrenia** 139
Jeffrey T. Rado and Edgar I. Hernandez

9	Pharmacogenetics in the Treatment of Schizophrenia	161
	Bill W. Massey, Jiang Li, and Herbert Y. Meltzer	
10	Management of Comorbid Medical Conditions in Schizophrenia.....	175
	Jeffrey T. Rado	
11	Management of Water Imbalance in Schizophrenia.....	205
	Morris Goldman and Pichai Ittasakul	
12	Management of Medication-Related Adverse Effects	225
	Wanlop Atsariyasing and Morris Goldman	
 Part IV Management of Schizophrenia and Its Long-Term Complications		
13	Long-Term Pharmacological Management of Schizophrenia	265
	Stephen R. Marder	
14	Psychosocial Rehabilitation and Psychotherapy Approaches.....	275
	Robert S. Kern, William P. Horan, Shirley M. Glynn, L. Felice Reddy, Jason Holden, Eric Granholm, Luana R. Turner, Mary E. Sullivan, and William D. Spaulding	
 Part V Future Directions and Implications		
15	Conclusion	315
	Philip G. Janicak, Stephen R. Marder, Rajiv Tandon, and Morris Goldman	
	Index.....	321